Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at http://about.jstor.org/participate-jstor/individuals/early-journal-content.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

University of Wisconsin

Summer Session, 1919

June 30 to August 8 (Law School, June 23 to August 29)

320 Courses. 160 Instructors. Graduate and undergraduate work leading to the bachelor's and higher degrees. Letters and Science, Medicine, Engineering, Law, and Agriculture (including Home Economics).

Teachers' Courses in high-school subjects. Strong programs in all academic departments. Exceptional research facilities. Favorable Climate. Lakeside Advantages.

Mathematics: See list of courses in News Column of this issue.

One fee for all courses, $15, except Law (10 weeks) $25.

For further announcements address

Registrar, University, Madison, Wisconsin

The Summer Session of Cornell University

Opens July 5, 1919 Closes August 15, 1919

The Department of Mathematics offers Courses in the following Subjects

Solid Geometry, Advanced Algebra, Trigonometry, Analytic Geometry and Differential and Integral Calculus, Advanced Calculus, Differential Equations, Advanced Geometry, Analysis.

Members of the Department of Mathematics also offer to direct reading or research along various lines whether or not closely related to courses given. For further information address

DEPARTMENT OF MATHEMATICS

CORNELL UNIVERSITY ITHACA, NEW YORK

Mitchell Tower

The University of Chicago

Offers instruction during the Summer Quarter on the same basis as during the other quarters of the academic year.

The undergraduate colleges, the graduate schools, and the professional schools provide courses in **Arts, Literature, Science, Commerce and Administration, Law, Medicine, Education, and Divinity.** Instruction is given by regular members of the University staff which is augmented in the summer by appointment of professors and instructors from other institutions. For **Mathematics** courses see News Column.

Summer Quarter, 1919

1st Term June 16--July 23 2d Term July 24--Aug. 29

Detailed announcements will be sent upon application

THE UNIVERSITY OF CHICAGO Chicago, Ill.

Cotrell & Leonard

Makers of

Caps, Gowns and Hoods

ALBANY, NEW YORK

Ready in June

A book which covers the work usually given in college algebra and analytic geometry, and which makes use of the fundamentals of calculus. It is based on the principle of correlation which Dr. Moore, as President of the American Mathematical Society, advocated some years ago and which is gradually replacing the traditional method of teaching mathematics in "water-tight compartments," to borrow Dr. Moore's phrase.

Since the various subjects of mathematics are fundamentally related, college algebra and analytic geometry are, in this book, taught so as to be made helpful to each other. In this way the student gets a better understanding of the meaning and of the general methods of mathematics, and he is better able to appreciate functional correspondence.

The following table of contents will be of interest:

I. Location of a Point, Number-System.
II. The Straight Line, Linear Function.
III. Several Straight Lines. Simultaneous Linear Equations in Two Variables. Areas.
IV. Determinants.
V. Quadratic Function. Parabola.
VI. Rational Integral Functions of Degree Higher than the Second.
VII. Solution of Equations with Numerical Coefficients.
VIII. Algebraic Solution of the General Cubic and Biquadratic Equations.
IX. Limits.
X. Infinite Series.
XI. Partial Fractions.
XII. Permutations and Combinations.
XIII. The Circle.
XIV. Ellipse. Hyperbola. Parabola.
XV. Conic Sections. Transformation of Co-ordinates.
XVI. The General Equation of the Second Degree. Diameters.
XVII. Solid Analytic Geometry. Linear Functions.
XVIII. Solid Analytic Geometry. Quadratic Functions.

Although suitable for use in the freshman college year or in the junior college, this book will complete the four-year series in correlated mathematics for secondary schools, which has been worked out by E. R. BRESLICH and his staff of mathematics teachers in the University of Chicago High School, and therefore will bear the title:

Fourth-Year Mathematics for Secondary Schools

The price will be $1.25, postage extra. When placing your order, to be filled upon publication of the book, please be sure to indicate your June address *in addition to* your present address.

The University of Chicago Press

5876 Ellis Avenue **Chicago, Illinois**

THE NEW ERA PRINTING COMPANY

LANCASTER, PA.

Is prepared to execute in first-class and satisfactory manner all kinds of printing and electrotyping. Particular attention given to the work of Schools, Colleges, Universities, and Public Institutions.

Books, Periodicals

Technical and Scientific Publications

Monographs, Theses, Catalogues

Announcements, Reports, etc.

All Kinds of Commercial Work

(*Printers of the Bulletin and Transactions of the American Mathematical Society, etc., etc.*)

Publishers will find our product ranking with the best in workmanship and material, at satisfactory prices. Our imprint may be found on a number of high-class Technical and Scientific Books and Periodicals. Correspondence solicited. Estimates furnished.

THE NEW ERA PRINTING COMPANY

WILEY BOOKS

Mathematics for Engineers

Just Issued

GRAPHICAL AND MECHANICAL COMPUTATION

By JOSEPH LIPKA, Ph.D., Assistant Professor of Mathematics in the Massachusetts Institute of Technology.

The value of graphical charts in lessening the labor of computation has been known for a long time. This book is designed as an aid in the solution of a large number of problems which the engineer, as well as the student, meets in his work. Numerous illustrative examples are worked throughout the text, and the additional charts at the back of the book will serve as an aid in the construction of alignment charts.

ix+264 pages. 6 by 9. 205 figures, 2 charts. Cloth, $4.00 net.

Third Edition, Enlarged

HANDBOOK OF MATHEMATICS FOR ENGINEERS

By L. A. WATERBURY, C.E., late Professor of Civil and Architectural Engineering, University of Arizona. With Special Sections by G. A. GOODENOUGH, Professor of Thermodynamics, University of Illinois, and H. H. HIGBIE, Professor of Electrical Engineering, University of Michigan.

The two new sections and their related tables constitute the principal addition to this deservedly popular little vest-pocket reference. Practicing engineers in all lines of work have found it a dependable assistant for some years past.

xiv+278 pages. 3 by 5½. 80 figures. Flexible "Fabrikoid" binding, $1.50 net.

THE ENGINEERS' MANUAL

By RALPH G. HUDSON, S.B., Assisted by JOSEPH LIPKA, Ph.D., HOWARD B. LUTHER, S.B., Dipl. Ing., and DEAN PEABODY, JR., S.B., of the Massachusetts Institute of Technology.

A consolidation of the principal formulas and tables of Mathematics, Mechanics, Hydraulics, Heat and Electricity.

iv+315 pages. 5 by 7¾. 227 figures. Flexible "Fabrikoid" binding, $2.00 net.

Send for FREE EXAMINATION copies

Our Special Subject Catalog No. 9 is of interest to mathematicians

---

JOHN WILEY & SONS, Inc.

432 Fourth Avenue **NEW YORK**

London: CHAPMAN & HALL, Ltd.

MONTREAL, CAN.: **Renouf Publishing Co.**

AMM 3-19

MANILA, P. I.: **Philippine Education Co.**